



**Commonwealth of Massachusetts
OFFICE OF CONSUMER AFFAIRS
DIVISION OF PROFESSIONAL LICENSURE**

Board of State Examiners of Plumbers and Gasfitters
239 Causeway Street, Suite 400
Boston, Massachusetts 02114

SPECIAL PERMISSION GAS REQUEST APPLICATION FORM

\$75.00 application fee per job – Check payable to Commonwealth of Massachusetts

(1) TYPE OF REQUEST

CHECK APPROPRIATE BOX [See General Note number 4]

Booster ☐ Cogeneration ☐ Dual Fuel ☐ Elevated ☐ Kiln ☐
Gas Utilization Equipment over 12,500,000 BTU ☐ Water Tube Boiler over 10,000 lbs. steam/hr ☐

(2) APPLICANT

Name: _____ Tel: _____ Fax: _____
Address: _____ City/Town: _____ State: _____ Zip: _____
A copy of this request, to include all documentation was given to the Plumbing/Gas Fitting Inspector on _____ (mm/dd/yyyy)
I hereby certify that the information entered on this application request, to include supporting documentation, is true and accurate and is in compliance with Chapter 142 of the General Laws and 248 CMR Massachusetts State Fuel Gas Code as amended.

Authorized Signature Title/Position
Email: _____ Date: _____ (mm/dd/yyyy)

(3) SERVING GAS SUPPLIER INFORMATION

A signature is not required if a letter from the Gas Supplier is attached.

N/A ☐ Natural Gas: _____ Authorized Signature _____
N/A ☐ Propane Gas: _____ Authorized Signature _____

Part (4) INSTALLING CONTRACTOR INFORMATION

Information requested is not known at this time, a contractor is yet to be hired. ☐
Name: _____ Tel: _____ Fax: _____
Address: _____ City/Town: _____ State: _____ Zip: _____

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(5) FIRE DEPARTMENT

A signature is not required if a letter from the Fire Department is attached.

Fire Department Notified of this request on _____ (mm/dd/yyyy) Authorized Signature _____

Part (6) INSTALLATION INFORMATION

Use Occupancy: Commercial ☐ Industrial ☐ Institutional ☐ Residential ☐ Other ☐

Company/Name:

Tel:

Installation Address:

City/Town:

Equipment to be installed:

Length of piping from the point of delivery to the most remote appliance/equipment is: _____ feet.

The total connected load is _____ BTU Pipe Size: Low pressure " Elevated pressure "

Supplier will provide _____ pounds / _____ inches w.c. gas pressure and _____ cfh at the meter outlet.

Reasons for this request:

(7) FOR OFFICE USE ONLY

Request for Special Permission is hereby granted denied Date (mm/dd/yyyy)

Reason(s) for denial:

Authorized Signature

SPECIAL PERMISSION REQUEST - GENERAL NOTES

1. \$75.00 application fee per job – Make check payable to the Commonwealth of Massachusetts
2. Please read the installation requirement(s) applicable to the type of request being made.
3. Part 7 of this application form is reserved for official Board use only.
4. In some cases two or more boxes may be selected in Part (1) [i.e. Booster delivering Elevated Pressure – In such cases only one \$75.00 fee will be assessed].
5. After completing on-line entries print the form and obtain the required signatures. Enclose/attach all supporting documentation to the request and mail to the Board office.
6. Incomplete applications will not be acted upon.
7. In addition to the requirements of 248CMR, plans must include information regarding; proposed location of the piping, pipe sizes for the main and branches, various load demands, developed or equivalent length of piping from the point of delivery to the most remote outlet/appliance. When multiple meters are depicted on a drawing, the connected load for each meter must be listed, to include meters for future use.
8. For assistance please call the Board Office at (617) 727-9952

SPECIAL PERMISSION REQUEST - INSTALLATION REQUIREMENTS

Gas Pressure Booster:

NOTE 1: Plans and construction documentation bearing the seal of a Massachusetts Registered Professional Engineer are required for gas piping systems when the pressure is **in excess of** ½ pound per square inch or 14 inches water column.

NOTE 2: If the Booster delivers gas pressure in excess of ½ pound or 14 inches water column the Booster and Elevated boxes must be checked.

- (a) Gas pressure boosters may be installed in that portion of the gas piping system extending from the outlet of the meter set assembly to the inlet of the equipment requiring elevated or increased pressure when the following conditions have been satisfied;

1. Special-permission is granted by the Board in compliance with 248CMR 3.04: (3) and;
2. the serving gas supplier has provided written authorization and;
3. the gas pressure booster shall be of the hermetically sealed type.
 - a. Any exception to this aforementioned provision shall be documented in the applicant's Special-Permission request to the Board.
4. Gas pressure boosters shall be installed and maintained in accordance with the manufacturer's instructions.
5. The gas equipment served by the booster shall be equipped with a pre-set low gas pressure switch and:
 - a. the switch shall prove adequate pressure is available before startup.
6. A pressure regulator shall be provided to maintain a constant outlet pressure and be installed immediately downstream of the booster except when: a, the booster is equipped with an integral pressure regulator.
7. Check valves shall be installed upstream of the booster to prevent the potential of increased pressurization of the service or other lower pressure piping system and;
 - a. Where bypasses are installed they shall include a shutoff valve and a check valve.

- (b) Proper Location:

1. Gas pressure boosters shall be installed on a firm foundation or surface that is capable of supporting the imposed load and;
 - a. the booster shall be kept free of vibration by the installation of vibration arrestors.
2. Gas pressure boosters shall be located in well-ventilated spaces and be readily accessible for examination, replacement or necessary maintenance.

- (c) Supply Pressure Reduction Protection Device:

1. A manual reset low pressure shutoff device shall be:
 - a. installed in the piping between the gas pressure booster and the gas meter to:
 - i. provide protection from a lower or reduced pressure (lower than acceptable to the serving gas supplier) in the supply.

Gas Cogeneration Facility:

- (a) Cogeneration appliances and equipment installed in the Commonwealth shall satisfy the following:
- a. the installation requires Special-permission from the Board in compliance with 248 CMR 3.04: (3) prior to the installation and;
 - b. plans/construction documentation shall be provided and bear the seal of a Massachusetts Registered Professional Engineer and;
 - c. a letter from the servicing gas supplier indicating that the fuel supply is available.

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Gas Dual Fuel (Natural & Propane):

- (a.) Special-permission pursuant to 248 CMR 3.00 may be granted for elevated pressure (greater than $\frac{1}{2}$ P.S.I.G. or 14 inch water column) when gas utilization equipment specifically requires higher pressure Utility gas and L.P. gas systems shall not be installed within the same building except where the Board has first granted Special-Permission under 248 CMR 3.00.
- (b.) When the two gas systems are installed within the same building, the natural gas piping system shall be color coded yellow and the L. P. gas piping system colored green.
- (c.) Labeling: The gas piping systems shall be labeled:
 - {i.} at a minimum of every ten feet;
 - {ii.} at all changes of direction;
 - {iii.} on each side of a penetration through a partition, wall or ceiling; and,
 - {iv.} at every gas shutoff valve.
 - {v.} The labels shall be:
 - [i] colored yellow with black lettering, indicating the type of gas and the pressure contained within the piping system, and
 - [ii] the letters shall be sized so that the labeling can be read from a normal line of vision when standing at the main floor level.

Gas Elevated Pressure greater than $\frac{1}{2}$ P.S.I.G. or 14" water column:

Note 1: This Special-permission requirement does not apply to propane gas piping systems that are **between** the first and second stage regulator if the second stage regulator is located **outside the building**.

- (a.) Plans/construction documentation shall be provided and bear the seal of a Massachusetts Registered Professional Engineer and;
 - {i.} A letter from the servicing gas supplier indicating that the fuel supply is available.

Elevated Pressure Piping to be Labeled: Piping supplying gas at a pressure greater than $\frac{1}{2}$ P.S.I.G. or 14 inch water column shall be labeled:

- (a) at a minimum of every ten feet;
- (b) at all changes of direction;
- (c) on each side of a penetration through a partition, wall or ceiling; and,
- (d) at every gas shutoff valve.
- (e) The labels shall:
 - 1. be colored yellow with black lettering;
 - 2. indicate the type of gas and the pressure contained within the piping system; and
 - 3. the letters shall be sized so that the labeling can be read from a normal line of vision when standing at the main floor level.

Gas Kiln / Glory Hole / Crucible Furnace / Etc.:

- (a) Plans/construction documentation shall be provided and bear the seal of a Massachusetts Registered Professional Engineer.
- (b) Fabricated Gas-fired Kilns built, constructed or assembled at any location shall not be installed until after Special-permission in compliance with 248 CMR 3.04 (3) has been granted by the Board.
- (c) Manufactured Gas Fired Kilns that are Product-approved in compliance with 248 CMR 3.04: (1) shall;
 - 1. be permitted when installed in strict compliance with 248 CMR and the manufacturers' instructions.

Gas Utilization Equipment with a combined capacity of more than 12,500,000 BTU/hr or water tube boilers having outputs of 10,000 pounds steam per hour:

- (a) Special-permission in compliance with 248 CMR 3.04: (3) prior to the installation and;
- (b) a letter from the servicing gas supplier indicating that the fuel supply is available and;
- (c) * See NFPA-85 Standard for Single Burner Boiler Operation and;
 - 1. NFPA-85 *Boiler and Combustion System Hazards* for Water - Tube Boilers having outputs of 10,000 pounds of steam or more.
- (d) Plans/construction documentation shall be provided and bear the seal of a Massachusetts Registered Professional Engineer.